

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/016810

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 F02N11/08 G01P13/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F02N F02D G01P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 354 257 B1 (MARSHALL BRIAN P ET AL) 12 March 2002 (2002-03-12) abstract; figure 2 column 1, lines 36-44 column 2, lines 11-51 column 5, line 37 - column 6, line 38	1-9
A	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 09, 31 October 1995 (1995-10-31) & JP 07 158543 A (HONDA MOTOR CO LTD), 20 June 1995 (1995-06-20) abstract	1,9
A	EP 1 070 964 A (ROBERT BOSCH GMBH) 24 January 2001 (2001-01-24) abstract paragraphs '0025!, '0029!	2,3,5,6
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

3 February 2005

Date of mailing of the international search report

11/02/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 079 945 A (HANSEN ET AL) 14 January 1992 (1992-01-14) abstract column 1, line 1 - line 38 -----	2,3
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 07, 3 July 2003 (2003-07-03) & JP 2003 083216 A (MORIC CO LTD), 19 March 2003 (2003-03-19) cited in the application abstract -----	1,9

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Information on patent family members

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